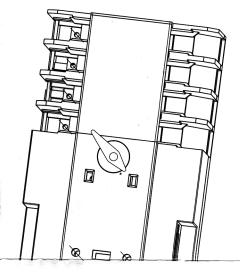
## Automatic Transfer Switch **DUAL POWER**



Model: Dual power automatic switching switch

Quantity: 1 PCS

technical standards GB/14048 and is approved to leave the factory The product has been inspected to meet the

Inspector: check6

Inspection date:

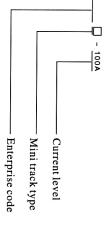
## l.Product overview

continuity, reliability and safety of the power supply. This When the normal power supply is abnormal, the standby product is specially designed for domestic track installation whether the main power supply or standby power is normal household power switch. The switch is mainly used to test and is specially used for PZ30 distribution box. power supply will immediately start to work, to ensure the Dual power automatic switch is a newly developed micro

ATS is made up of TSE and controller characteristics of solid structure, reliable conversion, easy rated 400V AC emergency power supply system. ATS has the that is, reliable electrical work, but also manual operation. in a variety of occasions when can not sustain power failure, installation and maintenance and long life. It is widely used Dual power automatic switch is suitable for 50 or 60Hz

the most suitable low-voltage switching equipment and multi-function equipment and switching equipment, ATS is control device. According to GB/T14048.11, makes part 6-1:

## 2. Product model and classification



4. Normal operation time and installation conditions

4.1 Ambient air temperature

The highest temperature shall not exceed 40°C, the lowest shall not be lower than -5°C, and the average temperature within 24h shall not be higher than 35°C.

4.3 Atmospheric conditions The elevation of the installation site shall not be higher than 2000m.

4.4 Pollution levels When the highest temperature reaches 40°C, the relative humidity of the installation site shall not exceed 50%, when the lowest temperature is -5°C. The relative humidity is high, for example, the temperature is 25°C, while the relative humidity is 90%. Due to temperature changes, special surface of the product. measures should be taken to deal with the occasional condensation on the

4.5 Installation category ATS pollution level conforms to the specified level 3 of GB/T14046.11

ATS is installed in accordance with the category specified in

4.6 Installation conditions

The ATS can be installed vertically in the control cabinet or distribution cabinet. Make sure the installation distance is as shown in figure 1 5. View dimensions and mounting dimensions

5. The appearance and installation dimensions of ATS are shown in table The ATS can guarantée power generation and power outage performance during circuit operation, but for manual operation, due to the difference in power generation and power outage speed or operator, the ATS cannot guarantee such performance. Excessive loss of silver alloys Manual/Automatic operation operating system and contacts, simply reverse the selection switch to the may occur during manual power generation and power outages.
Therefore, when all the power is turned off to check and maintain the and figure 1. position. In general, the selection switch will be pulled to the

he manual position to the automatic position. After the manual operation is completed, pull the selection switch from automatic position.

A1S will active instantly. After conversion, the line diagram in the control circuit will be disconnected by the internal converter. Under the

3.Basic parameters

## Please refer to table 1 for details about basic ATS parameters

	<50ms			Power off time
	<50ms			Return conversion
	<50ms			Operation
	<50ms			Contactor conversion
Two relays, each with two sets of contact capacity for the contact converter: AC220V50HZ le=5y	ys, each with two sets of contact capaci contact converter: AC220V50HZ le-5y	elays, ea	Two r	Auxiliary circuit
85%Us-110%Us	Rated control voltage Us:AC220V,	ntrol vo	Rated co	Control circuit
	8kV			The cap withstands
A	RT16-00-63A	-		Short circuit
	50kA			Rated short charge
2000times; manual operation: 5000times	2000times; manu	life;		Electrical appliances
2.6	2.1		1.7	Weight (kg)
4P	3P		2P	Rod
AC-31B		3iB	AC-33iB	Using categories
can be manufactured and sustained, without short	e manufactured and	can b	PC	level
Hz	, AG400V,50Hz			Rated voltage Ue
HZ	AC69OV.5OHZ			Insulation voltage Ui
80 100	32 40 50 63	25	16 20	Rated current le A
ATS-100A	ATS-63A	ATS		Model

rated voltage of E80%-110%, the coil can operate normally. If the voltage is too low, the coil will become hot and even spontaneously ignite.
7. Wiring diagram (see figure 2, figure 3)
8. Installation and wiring

8.1 Ensure that professionals read this manual before installing and wiring. 8.2 Check the integrity of the ATS before installation. Then use the operating handle to open and close APS, check the flexibility of the transmission device, and detect the generation and disconnection

conditions of load in each stage of normal and standby power supply.

The correct steps are shown in the diagram. The trademark is on the front of the product. Please contact us if you fail to follow the correct steps due to wiring or other reasons. The safe distance S1 and S2 should be no less than the markings in figure 1 and figure 2 (See the picture below for described by the same steps of the picture below for described by the picture

details) Picture 4 Correct installation instructions.

8.4 Test control voltage: 50Hz, AC220V.

The coil should not be too long in the control circuit. The cutting surface area of copper wire should not be greater than 2.0mm.

8.5 According to the installation requirements of the power distribution. system, please provide appropriate circuit breakers to ensure the safety of the staff and equipment.

Maintenance, inspection and storage

9.1 Maintenance and inspection should be carried out by professional personnel and all power should be cut off in advance.
9.2 To ensure good performance of the ATS, the first maintenance and inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once inspection should be carried out within 6 months of use and at least once in the state of the sta year. In the case of severe installation conditions, increase the frequency of maintenance and inspection. at least once a

9.3 Renewal and inspection projects
A. Please remove dust and dirt in case of failure.
B. Inspect electrical contacts for variations and damage, and slip out any

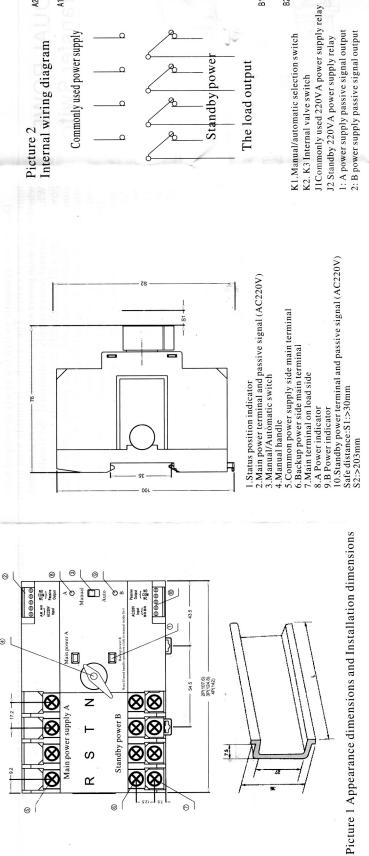
metal particles attached to or around the surface.

C. Rust, acidification and dust on the contact surface may lead to poor contact. Please operate manually several times and measure the contact

resistance when necessary.

D. Before using, please remove dust and dirt of ATS, due to damp and suspended condition. Use a 500V megohm meter to measure the reject resistance for normal supply, alternating power supply, load side bars, including insulation resistance between five parts and metal plates. Ar the insulation resistance should be no less than 10M.

9.4 ATS shall be stored in an environment comparable to the normal working environment and shall be protected from dust, moisture and knock.



P(107.6) SP(124.8) 4P(142)

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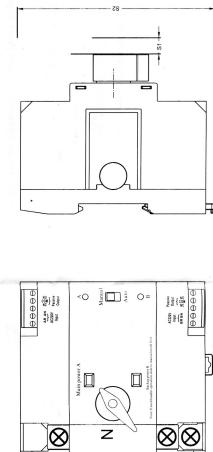
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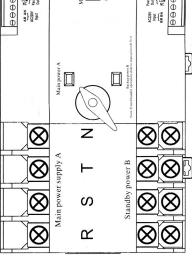
Standby power B

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B1 B2 ~





Manual Auto

Standby power B

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AC223V Passive Input Output BR BN 36.038

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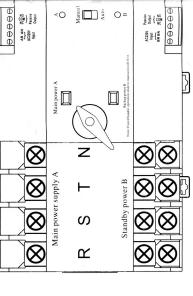
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Standby power indicator

ACZZW Input

Main power A 

Main power supply A



Picture 3 Controller wiring diagram

Standby power indicator